CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 92-093
SITE CLEANUP REQUIREMENTS

SHELL OIL COMPANY
SOUTH SAN FRANCISCO DISTRIBUTION TERMINAL
SOUTH SAN FRANCISCO, SAN MATEO COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, hereinafter called the Board, finds that:

Description of Discharger

1. Shell Oil Company, (hereinafter called the Discharger) owns and operates the South San Francisco Terminal Facility, a petroleum storage facility (hereinafter called the Facility). The facility is presently used to store refined petroleum hydrocarbons oils.

2. The Facility is located at 135 N. Access Road near the San Francisco International Airport.

Previous Investigations

3. The facility has seven ground water monitoring and recovery wells (RW-4, RW-6, RW-8A, RW-9, RW-17, RW-18, and RW-19) and twenty ground water monitoring wells (MW-1, MW-2A, MW-3A, MW-5, MW-7A, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16, MW-20, MW-21, MW-22, MW-23, MW-24, MW-25, MW-26, and MW-27). The discharger has submitted quarterly ground water monitoring and sampling reports to the Board's staff. The report noted that MW-5 had been destroyed. The recovered ground water is discharged to a publicly owned treatment works. The discharger is currently constructing a water treatment system to treat the recovered ground water prior to discharge. The February 5, 1992 report, submitted for the facility, noted the following:

   a. Ground water monitoring wells RW-8A, RW-18, RW-19 had free phase petroleum hydrocarbon products with the greatest thickness being 0.03 feet;

   b. Detectable total petroleum hydrocarbons as gasoline (EPA Method 8015, modified) as high as 110 mg/l has been detected in RW-4; and,

   c. Detectable total petroleum hydrocarbons as jet fuel (EPA Method 8015, modified) as high as 260 mg/l has been detected in RW-4; and,

   d. Benzene (EPA Method 8020) as high as 20 mg/L has been detected in MW-13.

Cost Recovery

4. The Board's staff has notified the Discharger that pursuant to Sections 25270.9 and 25270.11 of Chapter 6.67, Division 20 of California's Health and Safety Code the Discharger shall be liable to the extent of the reasonable costs actually incurred in overseeing or contracting for cleanup or abatement efforts. The Discharger has agreed to reimburse the State according to Sections 25270.9 and 25270.11.

5. The Discharger shall also be liable to reimburse the State for its reasonable costs related to cleanup activities, not otherwise reimbursed, pursuant to Section 13304(c) of the California Water Code.

Basin Plan

6. The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Region (Basin Plan) on December 17, 1986 and amended it on August 19, 1987, July 18, 1989 and December 1991. This Order implements the water quality objectives for the Basin Plan.

Beneficial Uses

7. The existing and potential beneficial uses of the Central San Francisco Bay are:

   a. Water contact recreation;
   b. Non-contact water recreation;
   c. Wildlife Habitat;
   d. Preservation of Rare and Endangered Species;
   e. Estuarine Habitat;
   f. Fish migration and spawning;
   g. Industrial service supply;
   h. Navigation; and,
   i. Commercial and Sport Fishing.

8. The existing and potential beneficial uses of the ground water in the area are:

   a. Municipal Supply;
   b. Industrial Process and Service Supply; and,
   c. Agricultural Supply.

California Environmental Quality Act

9. This action is an Order to enforce the laws and regulations administered by the Board. This action is categorically exempt from the provisions of the California Environmental Quality Act pursuant to Section 15321, Title 14, California Code of Regulations.

Notice and Meeting

10. The Board has notified the Discharger and interested agencies and persons of its intent under California Water Code Section 13304 to prescribe Site Cleanup Requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.

11. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, pursuant to Section 13304 of the California Water Code and Section 25270 of the California Health and Safety Code, that the Discharger shall cleanup and abate the effects described in the above findings as follows:

A. Prohibitions

1. The discharge of wastes or hazardous materials in a manner which will degrade water quality or adversely affect the beneficial uses of the waters of the State is prohibited.

2. Further significant migration of pollutants through subsurface transport to waters of the State is prohibited.

3. Activities associated with subsurface investigation and cleanup which will cause significant adverse migration of pollutants are prohibited.

4. The discharge of recovered free phase liquid petroleum hydrocarbons onto land, into ground waters or surface waters is prohibited.

B. Specifications

1. The storage, handling, treatment or disposal of soil or ground water containing pollutants shall not create a nuisance as defined in Section 13050(m) of the California Water Code.

2. The Discharger shall conduct free phase liquid petroleum hydrocarbons recovery activities, as needed, to remove all pools of free phase liquid petroleum hydrocarbons beneath the Facility.

3. The Discharger shall remediate soil and water contamination, which actually or threatens to degrade water quality or adversely affect the beneficial uses of the waters of the State.

C. Provisions

The Discharger shall comply with the Prohibitions and Specifications above according to the following time schedule:

1. Submission of a technical report, acceptable to the Executive Officer, related to the recovery of free phase liquid petroleum hydrocarbons, including, but not necessarily limited, to the following:

   a. The horizontal and vertical extent, estimated volume, rate and direction of movement of the free phase liquid petroleum hydrocarbons pool or pools beneath the Facility;

   b. Evaluation of the free phase liquid petroleum hydrocarbons recovery system including the number, location and removal efficiency of free phase liquid petroleum hydrocarbons recovery well(s); and,

   c. A remediation plan including a time schedule for remove all free phase liquid petroleum hydrocarbons beneath the Facility.

   REPORT DUE: No later than December 1, 1992.

2. Submission of a Technical report, acceptable to the Executive Officer, related to the remediation of contaminated soil and ground water, including, but not necessarily limited, to the following:

   a. The horizontal and vertical extent of contaminated soil and ground water, rate and direction of movement of the contaminated ground water beneath the Facility; and,

   b. A remediation plan including a time schedule for all contaminated soil and ground water beneath the Facility.

INTERIM REPORT DUE: No later than January 1, 1993.
FINAL REPORT DUE: No later than July 1, 1993.

3. The Discharger is required to reimburse the State for all reasonable costs of the State incurred in overseeing or contracting for cleanup or abatement efforts.

4. The Discharger shall maintain a copy of this order at the facility so as to be available at all times to project personnel.

5. The Discharger's technical reports, as appropriate, shall include a projection of the cost, effectiveness, benefits, and impact on public health, welfare, and environment of each alternative measure. The reports shall consider the guidance provided by the State Water Resources Control Board's Resolution No. 68-16, "Statement of Policy with Respect to Maintaining High Quality of Waters in California".

6. Technical reports, submitted by the Discharger, in compliance with the Prohibitions, Specifications, and Provisions of this Order shall be submitted to the Board on the schedule specified herein. These reports shall consist of a letter report that includes the following:

   a. A summary of work completed since submittal of the previous report and work projected to be completed by the time of the next report;

   b. Identification of any obstacles which may threaten compliance with the schedule of this Order and what actions are being taken to overcome these obstacles;

   c. In the event of non-compliance with any Prohibition, Specification or Provision of this Order, written notification which clarifies the reasons for non-compliance and which proposes specific measures and a schedule to achieve compliance. This written notification shall identify work not completed that was projected for completion, and shall identify the impact of non-compliance on achieving compliance with the remaining requirements of this Order; and,

   d. In the first self-monitoring report, an evaluation of the current ground water monitoring system and a proposal for modifications as appropriate.

7. All submittals of hydrogeological plans, specifications, reports, and documents prepared in compliance with the provisions of this Order (except quarterly progress and self-monitoring reports), shall be signed by and stamped with the seal of a registered geologist, registered engineering geologist, or registered professional engineer.

8. All samples shall be analyzed by State certified laboratories or laboratories accepted by the Board using approved EPA methods for the type of analysis to be performed. All laboratories shall maintain quality assurance/quality control records for Board review.

9. The Discharger shall maintain in good working order, and operate as efficiently as possible, any facility or control system installed to achieve compliance with the requirements of this Order.

10. Copies of all correspondence, reports, and documents pertaining to compliance with the Prohibitions, Specifications, and Provisions of this Order, submitted by the Discharger, shall also be provided to the following agencies:

a. City of South San Francisco;
b. San Mateo County Health Department; and,
c. California Environmental Protection Agency, Department of Toxic Control Substances.

11. The Discharger shall permit the Board or its authorized representative, in accordance with Section 13267 (c) of the California Water Code, the following:

    a. Entry upon premises in which any pollution sources exist, or may potentially exist, or in which any required records are kept, which are relevant to this Order;

    b. Access to copy all records required to be kept under the terms and conditions of this Order;

    c. Inspection of any monitoring equipment or methodology implemented in response to this Order; and,

    d. Sampling of any ground water or soil which is accessible, or may become accessible, as part of any investigation or remedial action program undertaken by the Discharger.

12. The Discharger shall file with this Board a report of any material change or proposed change in the character, location, or quantity of this waste discharge. For the purpose of these requirements, this includes any proposed change in the boundaries, contours, or ownership of the disposal areas.

13. The Board considers the property owner and site operator to have a continuing responsibility for correcting any problems within their reasonable control which arise in the future as a result of this waste discharge or water applied to this property during subsequent use of the land for other purposes.

14. These requirements do not authorize the commission of any act causing injury to the property of another or of the public, do not convey any property rights, do not remove liability under federal, state or local laws, and do not authorize the discharge of waste without the appropriate federal, state or local permits, authorizations, or determinations.

15. If any hazardous substance is discharged in or on any waters of the state, or discharged and deposited, or probably will be discharged in or on any waters of the state, the Discharger shall

    a. Report such discharge to the following:

        (1) This Regional Board at (510) 464-1255 on weekdays during office hours from 8 a.m. to 5 p.m.; and,

        (2) The Office of Emergency Services at (800) 852-7550.

    b. A written report shall be filed with the Regional Board within five working days and shall contain information relative to the following:

        (1) The nature of waste or pollutant;
        (2) The quantity involved and the duration of incident;
        (3) The cause of spill;
        (4) The estimated size of affected area;

(5) The corrective measures that have been taken or planned, and a schedule of these measures; and,
(6) The persons/agencies notified.

16. The Board will review this Order periodically and may revise the requirements when necessary.

17. If the Discharger is delayed, interrupted or prevented from meeting one or more of the completion dates specified in this Order, the Discharger shall promptly notify the Executive Officer and the Board shall consider revision to this Order.

I, Steven R. Ritchie, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on August 19, 1992.

Steven R. Ritchie for
Executive Officer

Attachments:
Figure 1, Site Location Map
Figure 2, Well Location Map
Self Monitoring Program

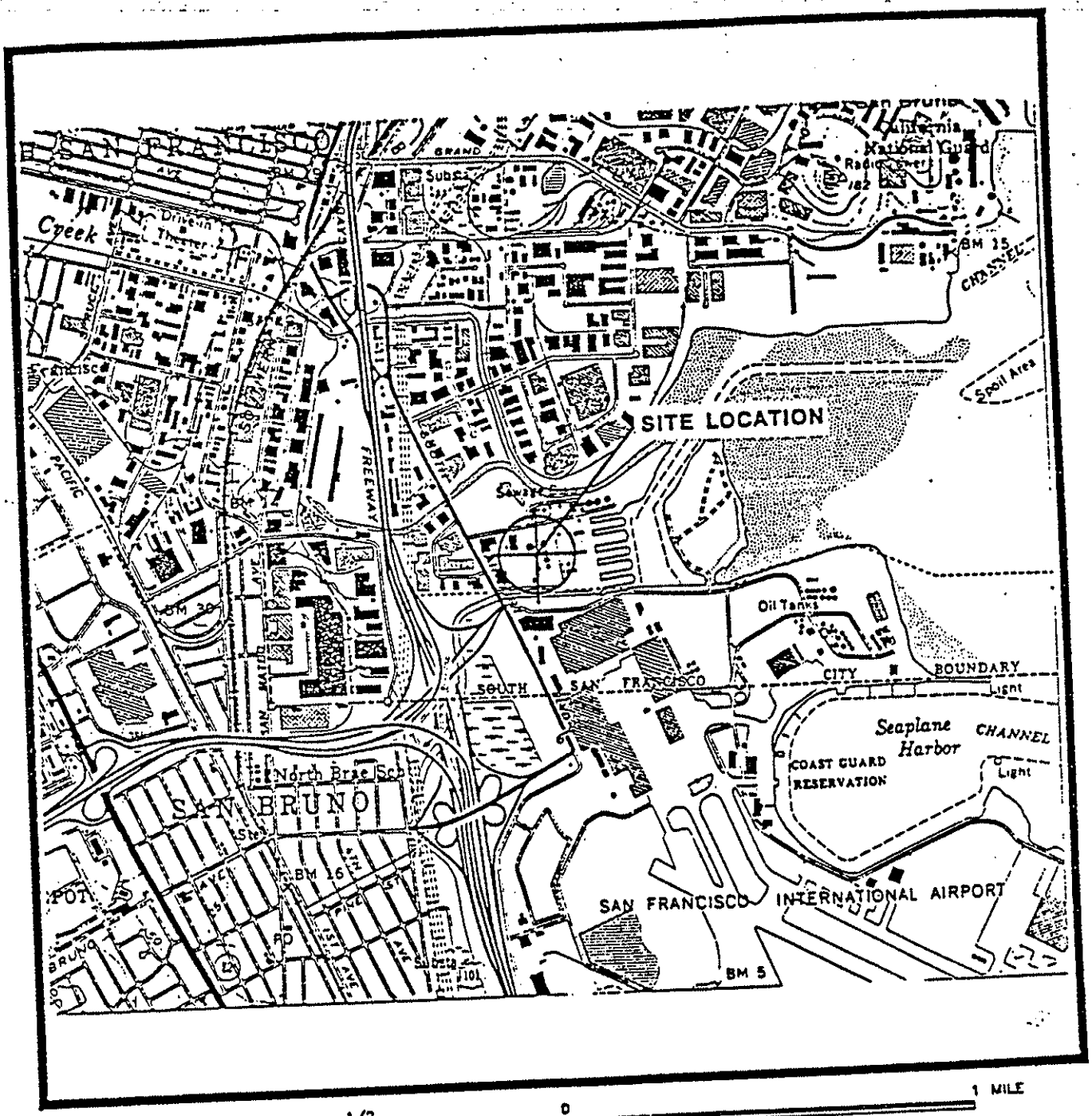
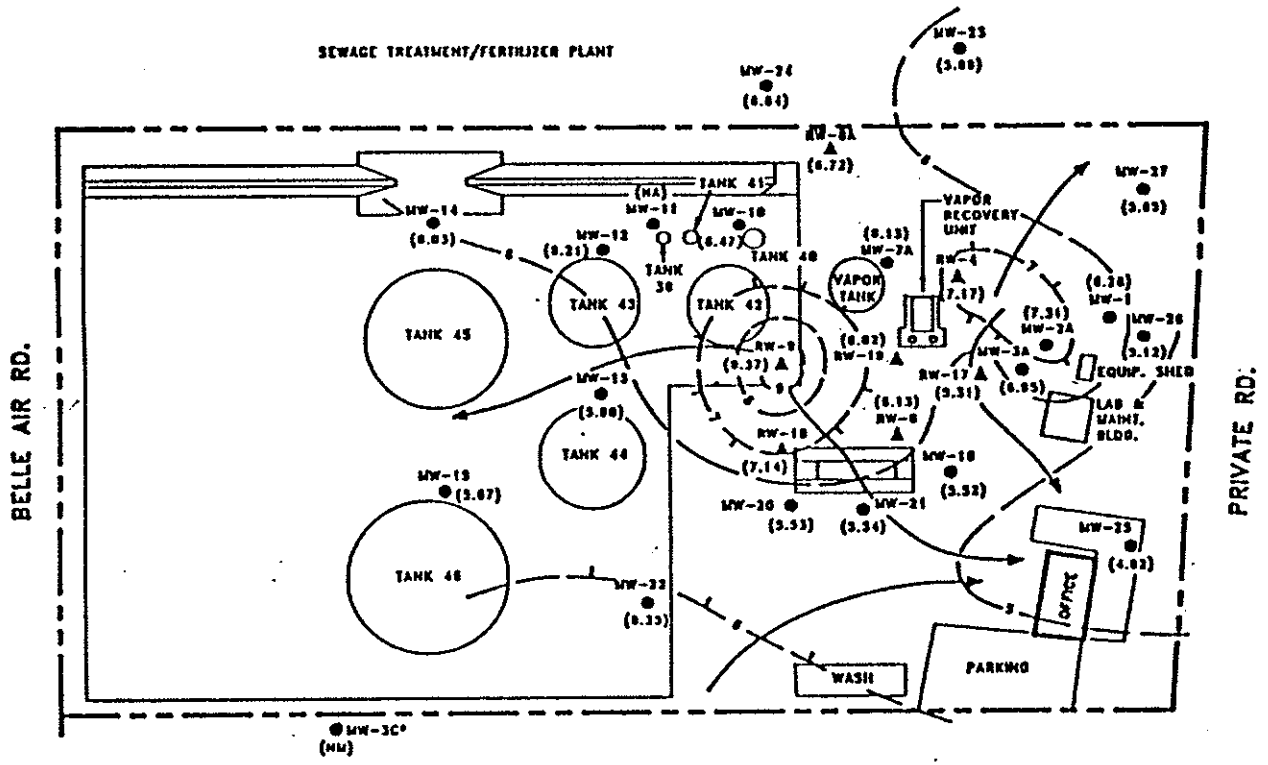


FIGURE 1
SITE LOCATION MAP

SHELL OIL CO.
135, N. ACCESS RD.
S. SAN FRANCISCO, CA.
02320-1442

SAN FRANCISCO SOUTH, CALIF.
N3737.5-W12222.5/7.5
1980

GROUNDWATER TECHNOLOGY, INC.



LEGEND

- ● GROUNDWATER MONITORING WELL
- ▲ GROUNDWATER RECOVERY WELL
- • OFF SITE WELL ASSOCIATED WITH NEIGHBORING UST ASSESSMENT
- (6.83) POTENTIOMETRIC SURFACE ELEVATION (FT.)
- (NA) WELL HEAD ELEVATION NOT AVAILABLE
- (NM) NOT MONITORED
- POTENTIOMETRIC SURFACE CONTOUR; INTERVAL=1 FT.
- ESTIMATED GROUNDWATER FLOW DIRECTION

REVISIONS:
DATE: 3/4/92
REVISION: FINAL DRAFT
BY: CWS

80 0 80 160
SCALE FEET

FIGURE 2
POTENTIOMETRIC SURFACE MAP
(DATUM: MEAN SEA LEVEL)
FEBRUARY 6, 1992
SHELL OIL CO.
133 N. ACCESS RD.
S. SAN FRANCISCO, CA.
92328-2300

GROUNDWATER TECHNOLOGY, INC.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

SHELL OIL COMPANY

SOUTH SAN FRANCISCO TERMINAL PLANT

SOUTH SAN FRANCISCO, SAN MATEO COUNTY

SITE CLEANUP REQUIREMENTS

ORDER NO. 92-093

CONSISTS OF

PART A

AND

PART B

PART A

A. General

1. Reporting responsibilities of waste Dischargers are specified in Sections 13225(a), 13267(b), 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No.73-16.

2. The principal purposes of a self-monitoring program by a waste Discharger are the following:

   a. To document compliance with Site Cleanup Requirements and prohibitions established by the Board;

   b. To facilitate self-policing by the waste Discharger in the prevention and abatement of pollution arising from waste discharge;

   c. To develop or assist in the development of standards of performance, toxicity standards and other standards; and,

   d. To prepare water and wastewater quality inventories.

B. Sampling And Analytical Methods

1. Sample collection, storage, and analyses shall be performed according to the most recent version of Standard Methods for the Analysis of Wastewater, and Test Methods for Evaluating Solid Waste EPA Document SW-846, or other EPA approved methods and in accordance with an approved sampling and analysis plan.

2. Water and waste analysis (except total suspended solids) shall be performed by a laboratory approved for these analyses by the State Department of Health. The director of the laboratory or his duly authorized representative, whose name appears on the certification shall supervise all analytical work in his/her laboratory and shall sign all reports of such work submitted to the Regional Board.

3. All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements.

C. Definition Of Terms

1. A grab sample is a discrete sample collected at any time.

2. Duly authorized representative is a duly authorized representative may thus be either a named individual or any individual occupying a named position such as the following:

   a. Authorization is made in writing by a principal executive officer; or,

   b. Authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as general partner in a partnership, sole proprietor in a sole proprietorship, the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or

an individual or position having overall responsibility for environmental matters for the company.

D. Schedule Of Sampling, Analysis, And Observations

1. The Discharger is required to perform sampling, analysis, and observations according to the schedule specified in Part B, and the requirements in Article 5 of Chapter 15.

2. A statistical analysis shall be performed and reported annually as described in the current revision of Appendix II of Chapter 15.

E. Records To Be Maintained By The Discharger

1. Written reports shall be maintained by the Discharger for ground water monitoring and wastewater sampling, and shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board. Such records shall show the following for each sample:

   a. Identity of sample and sample station number;
   b. Date and time of sampling;
   c. Method of composite sampling (See Section C-Definition of Terms);
   d. Date and time that analyses are started and completed, and name of the personnel performing the analyses;
   e. Complete procedure used, including method of preserving the sample, and the identity and volumes of reagents used. A reference to a specific section of a reference required in Part A Section B is satisfactory;
   f. Calculation of results;
   g. Results of analyses, and detection limits for each analyses; and,
   h. Chain of custody forms for each sample.

F. Reports To Be Filed With The Board

1. Ground water monitoring results shall be filed monthly until the schedule allows quarterly samples, then reports shall be quarterly. Written self-monitoring reports shall be filed no later than 45 calendar days following the end of the report period. In addition an annual report shall be filed as indicated. The reports shall be comprised of the following:

   a. Letter of Transmittal - A letter transmitting the essential points in each self-monitoring report should accompany each report. Such a letter shall include a discussion of any requirement violations found during the last report period, and actions taken or planned for correcting the violations, such as, operation and/or facilities modifications. If the Discharger has previously submitted a detailed time schedule for correcting requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. If no violations have occurred in the last report period this shall be stated in the letter of transmittal. Monitoring reports and the letter transmitting the monitoring reports shall be signed by a principal executive officer at the level of vice president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true, complete, and correct. The letter shall contain the following certification:

"I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

b. Each monitoring report shall include a compliance evaluation summary sheet. Until the Order's amended to specify ground water protection standards, the following shall apply and the compliance sheet shall contain:

i. The method and time of water level measurement, the type of pump used for purging, pump placement in the well, method of purging, pumping rate, equipment and methods used to monitor field pH, temperature, and conductivity during purging, calibration of the field equipment, results of the pH, temperature conductivity and turbidity testing, well recovery time, and method of disposing of the purge water; and,

ii. Type of pump used, pump placement for sampling, a detailed description of the sampling procedure; number and description of equipment, field and travel blanks; number and description of duplicate samples; type of sample containers and preservatives used, the date and time of sampling, the name and qualifications of the person actually taking the samples, and any other observations; the chain of custody record.

c. A summary of the status of any remediation work performed during the reporting period. This shall be a brief and concise summary of the work initiated and completed as follows:

i. As interim corrective action measures; and,

ii. To define the extent and rate of migrations of waste constituents in the soil and ground water at the site.

d. The Discharger shall describe, in the quarterly report, the reasons for significant increases in a pollutant concentration at a well onsite. The description shall include the following:

i. The source of the increase;

ii. How the Discharger determined or will investigate the source of the increase; and,

iii. What source removal measures have been completed or will be proposed.

e. A map or aerial photograph showing observation and monitoring station locations, and plume contours for each chemical in each aquifer shall be included as part of the quarterly Self-Monitoring Report.

f. Laboratory statements of results of analyses specified in Part B must be included in each report. The director of the laboratory or his duly authorized representative, whose name

appears on the laboratory certification shall supervise all analytical work in his/her laboratory and shall sign all reports of such work submitted to the Board. The following information shall be provided:

i. The methods of analyses and detection limits must be appropriate for the expected concentrations. Specific methods of analyses must be identified. If methods other than EPA approved methods or Standard Methods are used, the exact methodology must be submitted for review; and,

ii. In addition to the results of the analyses, laboratory quality control/quality assurance (QA/QC) information must be included in the monitoring report. The laboratory QA/QC information should include the method, equipment and analytical detection limits; the recovery rates; an explanation for any recovery rate that is less than 80%; the results of equipment and method blanks; the results of spiked and surrogate samples; the frequency of quality control analysis; and the name and qualifications of the person(s) performing the analyses.

g. By January 31 of each year the Discharger shall submit an annual report to the Board covering the previous calendar year. This report shall contain:

i. Tabular and graphical summaries of the monitoring data obtained during the previous year;

ii. A comprehensive discussion of the compliance record, and the corrective actions taken or planned which may be needed to bring the Discharger into full compliance with the Site Cleanup Requirements; and,

iii. A written summary of the ground water analyses indicating any change in the quality of the ground water.

C. In the event the Discharger violates of threatens to violate the conditions of the Site Cleanup Requirements and prohibitions or intends to experience a plant bypass or treatment unit bypass due to:

1. Maintenance work, power failures, or breakdown of waste treatment equipment, or;
2. Accidents caused by human error or negligence, or;
3. Other causes, such as acts of nature.

The Discharger shall notify the Regional Board office by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within 7 working days of the telephone notification. The written report shall include time and date, duration and estimated volume of waste bypassed, method used in estimating volume and person notified of the incident. The report shall include pertinent information explaining reasons for the noncompliance and shall indicate what steps were taken to prevent the problem from recurring.

In addition, the waste Discharger shall promptly accelerate his monitoring program to analyze the discharge at least once every day. Such daily analyses shall continue until such time as the effluent limits have been attained, until bypassing stops or until such time as the Executive Officer determines to be appropriate. The results of such monitoring shall be included in the regular Self-Monitoring Report.

Part B

A. Description Of Observation Stations And Schedule Of Observations

1. The observation stations shall consist of all existing ground water monitoring wells (W-1 through W-11, inclusive) and any additional ground water monitoring wells added during the soil and ground water characterization or the evaluation of remediation work.

2. The schedule of well observations and grab sampling shall be conducted within the months of January, April, July and October.

3. The amount of ground water extracted and oil extracted during the quarter and total during this order shall be report quarterly.

4. A map showing the potentiometric surface of the underlying ground water shall submitted quarterly.

B. Observations and Test Procedures

1. The ground water well observations shall consist of the following:

   a. Water elevation reported to the nearest 0.1 inch for both depth to water from the ground surface and the elevation of the ground water level as well as the elevation of the well screen;

   b. Ground water temperature measured at the time of sampling and reported in degrees Fahrenheit;

   c. Ground water conductivity measured at the time of sampling as per Standard Methods 205 using potentiometric methodology;

   d. Ground water pH measured at the time of sampling as per Standard Methods 423 using potentiometric methodology;

   e. Ground water turbidity measured at the time of sampling; and,

   f. The thickness of free phase petroleum hydrocarbons measured in tens of feet.

2. The test procedures for the ground water samples and soil samples shall be as described herein. The following section shall not apply to groundwater samples taken from wells with more than 0.1 inch thickness of free phase petroleum hydrocarbon product:

   a. Volatile aromatic compound analysis, including benzene, ethyebenzene, toluene, and xylene using EPA Method 5030/8020;

b. Total Petroleum hydrocarbons and Fuel Hydrocarbons using the EPA Method 5030/8015 (Modified); and,

c. Total Oil and Grease using Standard Methods 418.1. infrared analysis.

I, Steven R. Ritchie, Executive Officer, hereby certify that the foregoing Self-Monitoring Program is as follows:

1. Developed in accordance with the procedures set forth in this Board's Resolution No. 73-16;

2. Effective on the date shown below; and,

3. May be reviewed or modified at any time subsequent to the effective date, upon written notice from the Executive Officer, or request from the Discharger.

Steven R. Ritchie
Executive Officer

August 19, 1992
Date Ordered

DoD/DoE SITES	TATU	CLASS	COUNTY	COORDINATES	#
Alameda NAS			Alameda	4181-4183N/559-562E	
DFSP Ozol, U.S. D.O.D.	Active		Solano	4208.8-N/573E	
Hamilton Air Force Base,U.S. Army	Closed		Marin	4211.2-4213.3N/542-544E	
Lawerence Livermore,U.S. D.O.E.					
Lawerence Liv Nat. Lab,U.S. D.O.E.					
Mare Island	Closing		Solano	4214-4218N/562-565E	
Moffett Field,U.S. Navy	Closing		Santa Clara	4139.5-4142.5N/582.6-585.3E	
U.S.S.-POSCO	Active		Contra Costa	4208.5-4209.5N/599-601E	
Point Molate, U.S. Navy	Closing		Contra costa	4200N/552E	
Presidio of S.F.,U.S. Army	Closed		S.F.	4182 - 4184.75N, 545.55 - 546.88E	15
Stanford Linear Accelerator ,DOD			San Mateo	4140.7-4141N/562-565E	
Treasure Island,U.S. Navy W. Div.	Closing		San Francisco	~~4166E~~	
W. Beach LdfL, U.S. Navy-NAVCOM					

INDUSTRIAL SITES	TATU	CLASS	COUNTY/BOA	COORDINATES	#
Arco Products		AGT	Contra Costa		
Castrol		AGT	Contra Costa	4196.65-4197.25N/555-556E	
Chemical and Pigment Co.		Spill/Chap. 15		4210.9-4211N/588.5-589E	
Cevron Chemical Co,Fertilizer Div.		Spill/Chap.15	91-149		
Chevron Land and Development		Spill/Chap.15	91-125		
Chevron U.S.A./Avon Fuel Terminal		AGT	Contra Costa 92-094		
Chevron U.S.A. Inc./Richmond refin.		AGT/Spill/Chap.15	92-010		
Chevr U.S.A Prod. Co./N.Fld fueltrml .		AGT	Alameda/92-150		
Chev. U.S.A. Inc./Fueltrml 100 1272		AGT	SC./ 95-083		
Chevron U.S.A/Shell Oil/P.S. Group		AGT	SM/ 9~~5-059~~	4165.5-4165.75N/554.3E	
Coast Oil Refinery		AGT	Santa Clara	4134.9N/601.7	
Dole Fruit and Nut Co.			90-027		
Dow Chemical			Contra Costa	4209-4209.5N/596-597E	
Exxon Company U.S.A./Refinery		Spill/Chap. 15	Solano HAVE		
Exxon Company U.S.A./Marketing		AGT	?		
General Chem/Allied Corp/Pitt. Lnd. Disp			?		
General Chemical/Ricmond Lnd. Disp.			90-099/RICH		
I.T. Corp. Vine Hill Facility			Contra Costa	4207-4287.5N/580.5-582E	
I.T. Corp. -Panoche Facility			Solano	4217-4218N/576.2-577.2E	
Koppers,Inc			89-098 / RICH		
Lockheed Missiles and Space Co.		Chap.15	Santa Clara	4139.8-4142.4N/585.25-586.25	
Monsanto		Chap.15	Contra Costa	4209.8N/582.9	
Monterey Mushrooms			86-069		
Napa Pipe Corp.			Alameda	4234.25N/562.9E	
NUMMI		Chap. 15	Napa	4149.5-4150.6N/593-594E	
O'brien Corp.			Alameda	4166.93-4167.12N, 554.5-554.7E	5
Oakland, Port of/Carnation Terminal			Alam		
Oakland, Port of/Galbraith Dredge		Chap. 15	Alam ~~S.F.~~ 94-130	2	
PG&E, Pittsburg Power Plant			CC S.F. 94-166		
Peterson Tractor Co		Spill	S.F.	?	
Reaction Products, Inc.		Spill	Contra costa	?	
Remedial Environmental Marketing			San Mateo		